AMENDMENT 37 C.F.R. 1.115	Attorney Docket	UCSF-127CON
	First Named Inventor	David R. Cox et al.
	Application Number	Not yet assigned
Address to: Assistant Commissioner for Patents Washington, D.C. 20231	Filing Date	Herewith (02-08-2002)
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned
	Title: Mismatch Repair Detection	

Sir:

Prior to examination of the above captioned patent application, please enter the following amendments:

IN THE SPECIFICATION

Replace the paragraph at page 1, lines 11-14 with the following rewritten paragraph:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of U.S. Patent Application no. 09/271,055, filed March 17, 1999, which is a continuation-in-part of U.S. Patent Application no. 08/713,751, filed September 13, 1996; which claims priority to U.S. Provisional Patent Application no. 60/004,664, filed October 2, 1995.--

IN THE CLAIMS

Cancel Claims 1-26.

Add the following new claims:

27. (new) A method of detecting a mismatch in any of a plurality of DNA duplexes of distinct nucleic acid sequence, said duplexes formed in a single hybridization reaction, comprising:

detecting, for any of said duplexes, an alteration in a bacterial cell characteristic, said alteration effected by the *in vivo* mismatch corepair of a marker that is present together with said duplex in a vector within said bacterial cell, said corepair being initiated by a mismatch in said